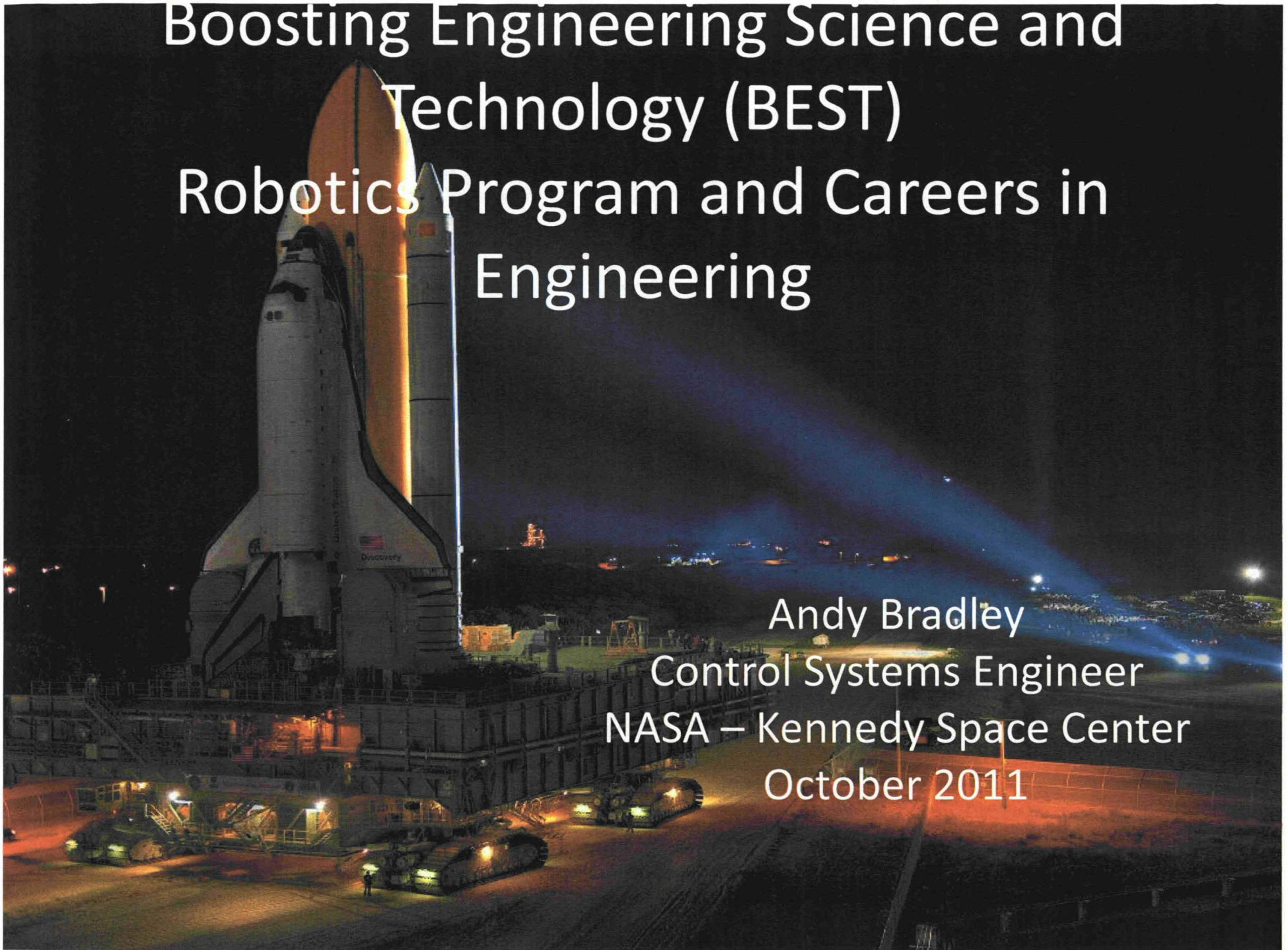


# Boosting Engineering Science and Technology (BEST) Robotics Program and Careers in Engineering

Andy Bradley  
Control Systems Engineer  
NASA – Kennedy Space Center  
October 2011





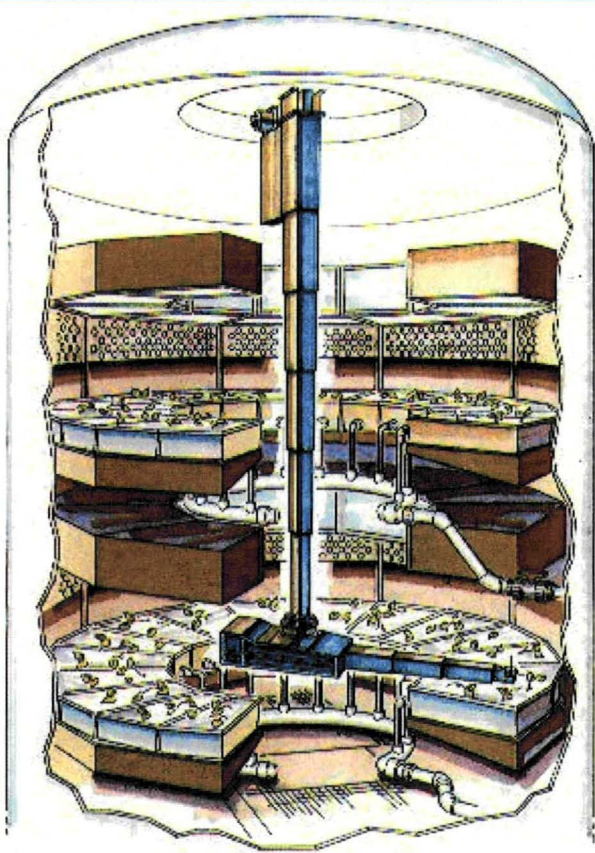
## SOME OF MY PROJECTS

- Ground Systems Engineering
- Electrical Systems
- Software
- Robotics
- Data Acquisition and Recording
- Launch Control Systems



# ALSARM

Advanced Life-Support Automated Remote Manipulator



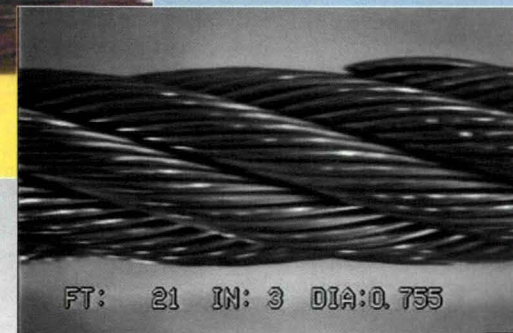
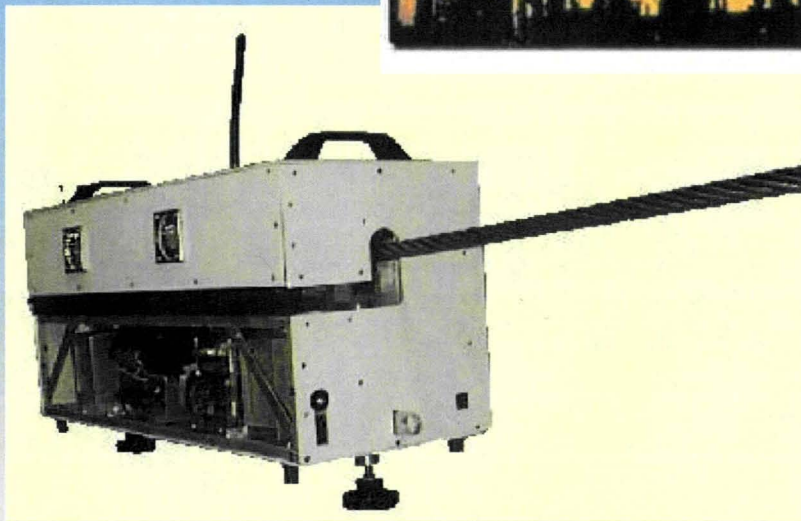
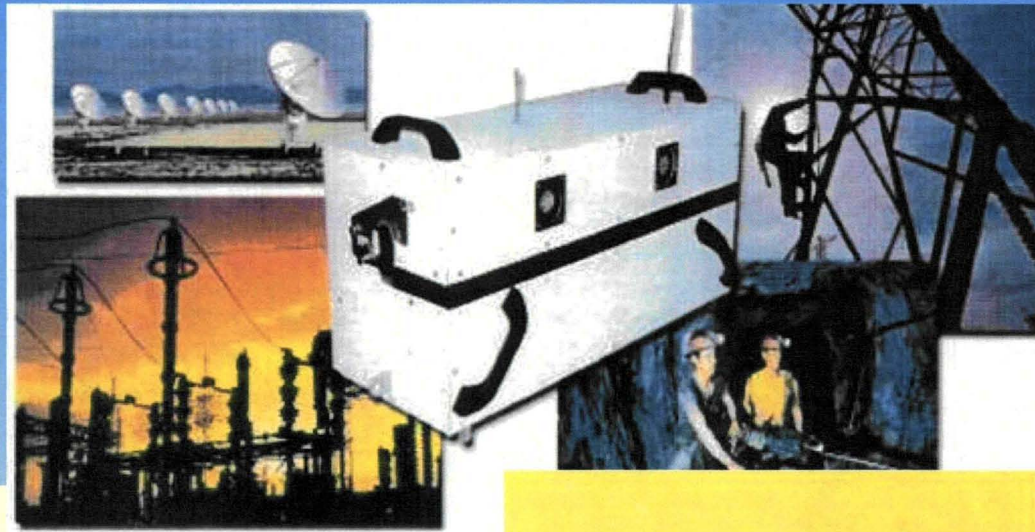
ALSARM in BPC





# CLIM

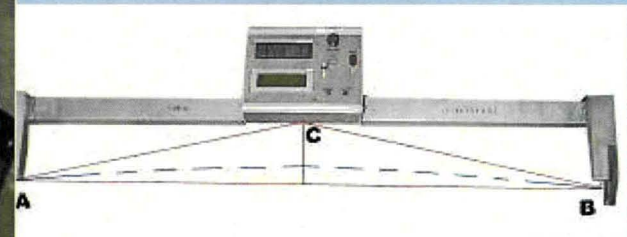
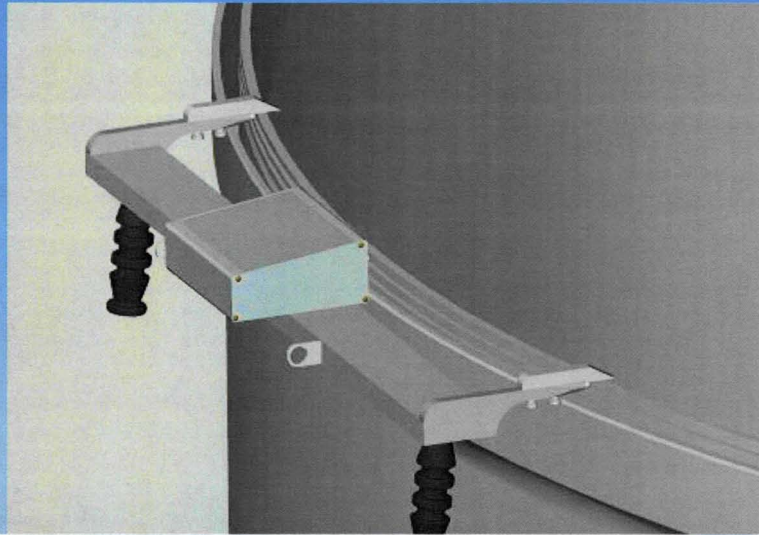
Cable Line Inspection Mechanism





# CMT

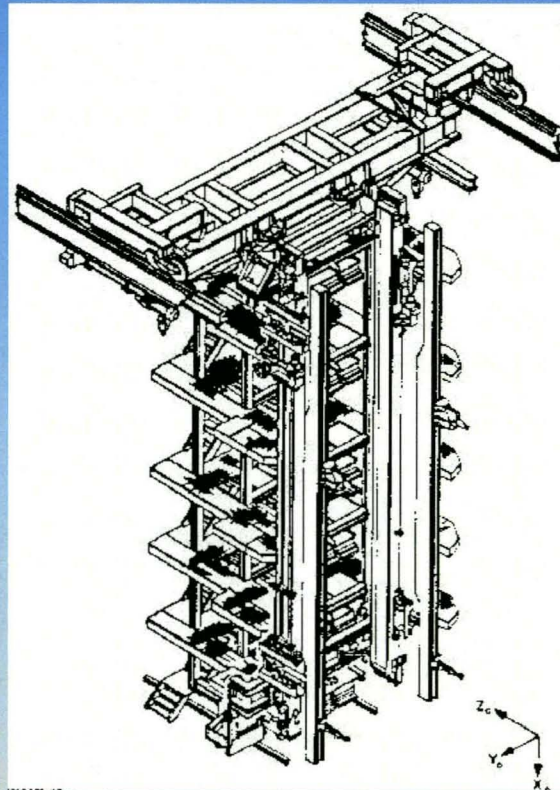
Circularity Measurement Tool





# PGHM

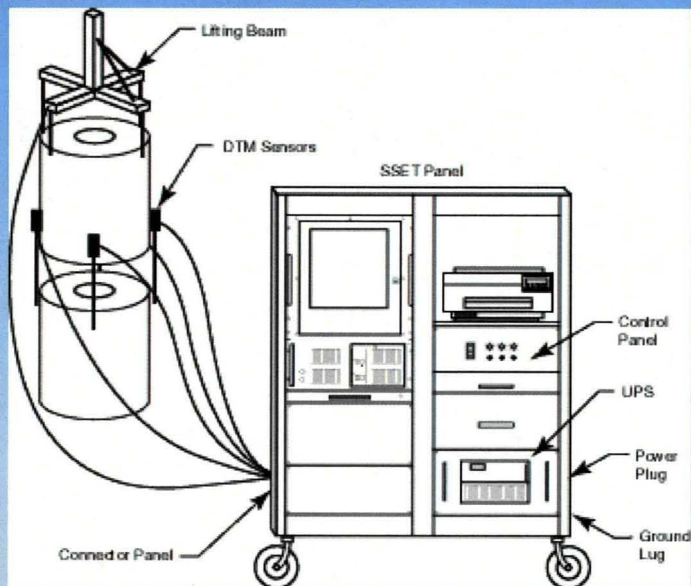
Payload Ground Handling Mechanism





# SSET

## SRM Stacking Enhancement Tool





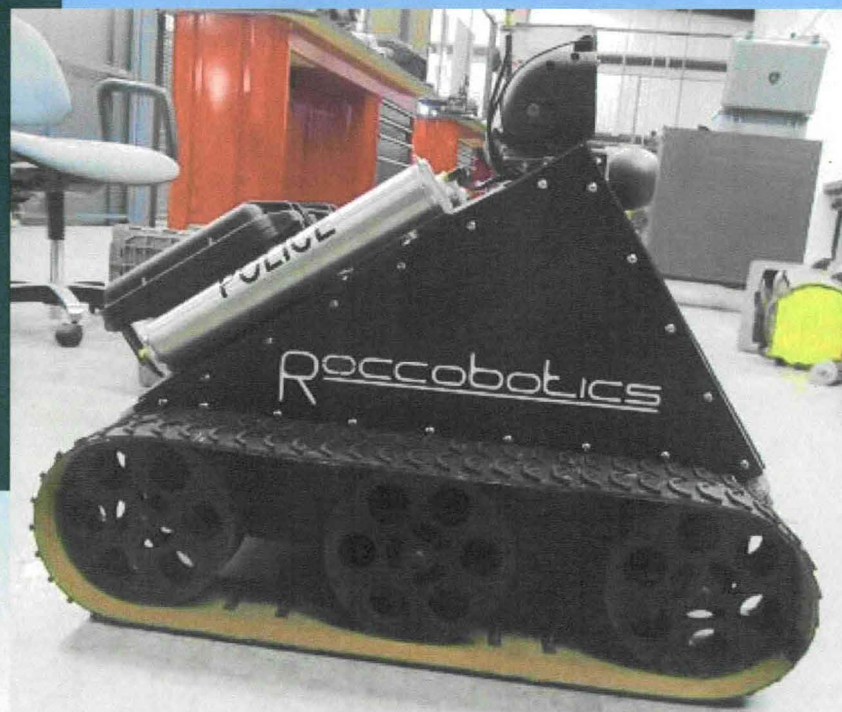
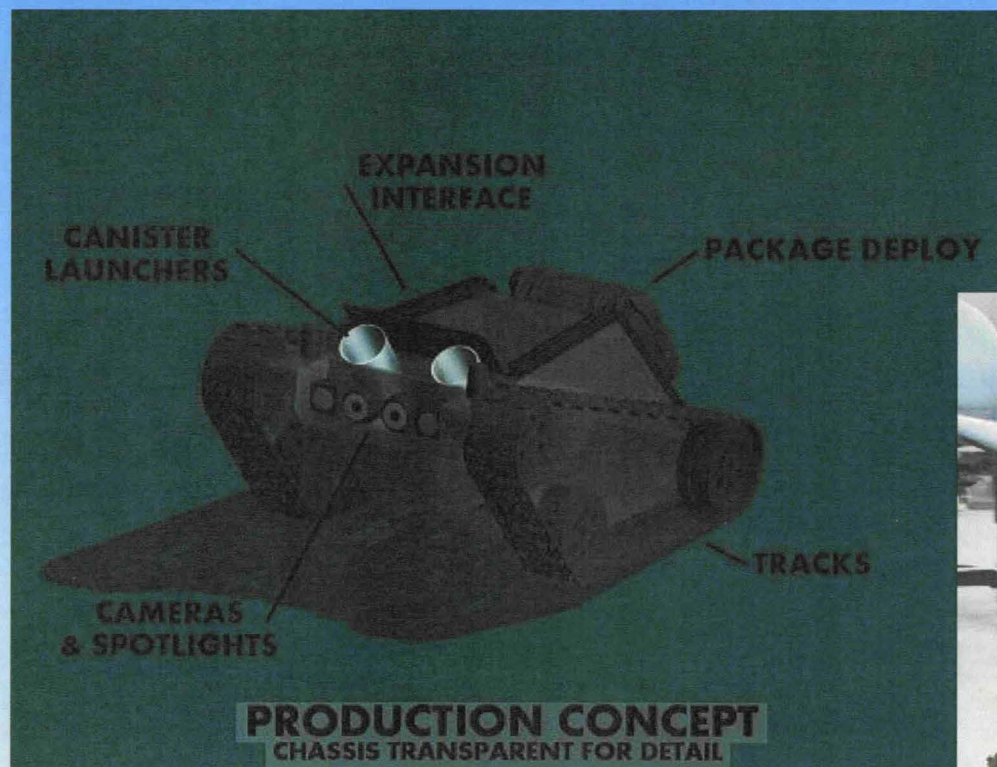
# HYPERGOL FUEL DELIVERY





# PD Bot

This is an offshoot of a robotics team!





# BEST

What is it? What can it do for you?

- A really cool robotics competition!
- A chance to meet a TON of new friends.
- A great way to learn about mechatronics.
- A free look at a possible career.



# ENGINEERING AND SCIENCE

Science and technology is where it's at!

- A career that is fun and interesting.
- We are the problem solvers – the innovators.
- Not as scary as you might think because you have help.
- Not as hard as you might think.
- \$\$\$ - yeah that. And the prospects look good.
- You can do it!

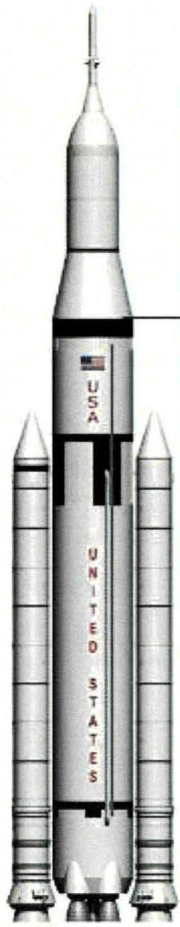


# The Future

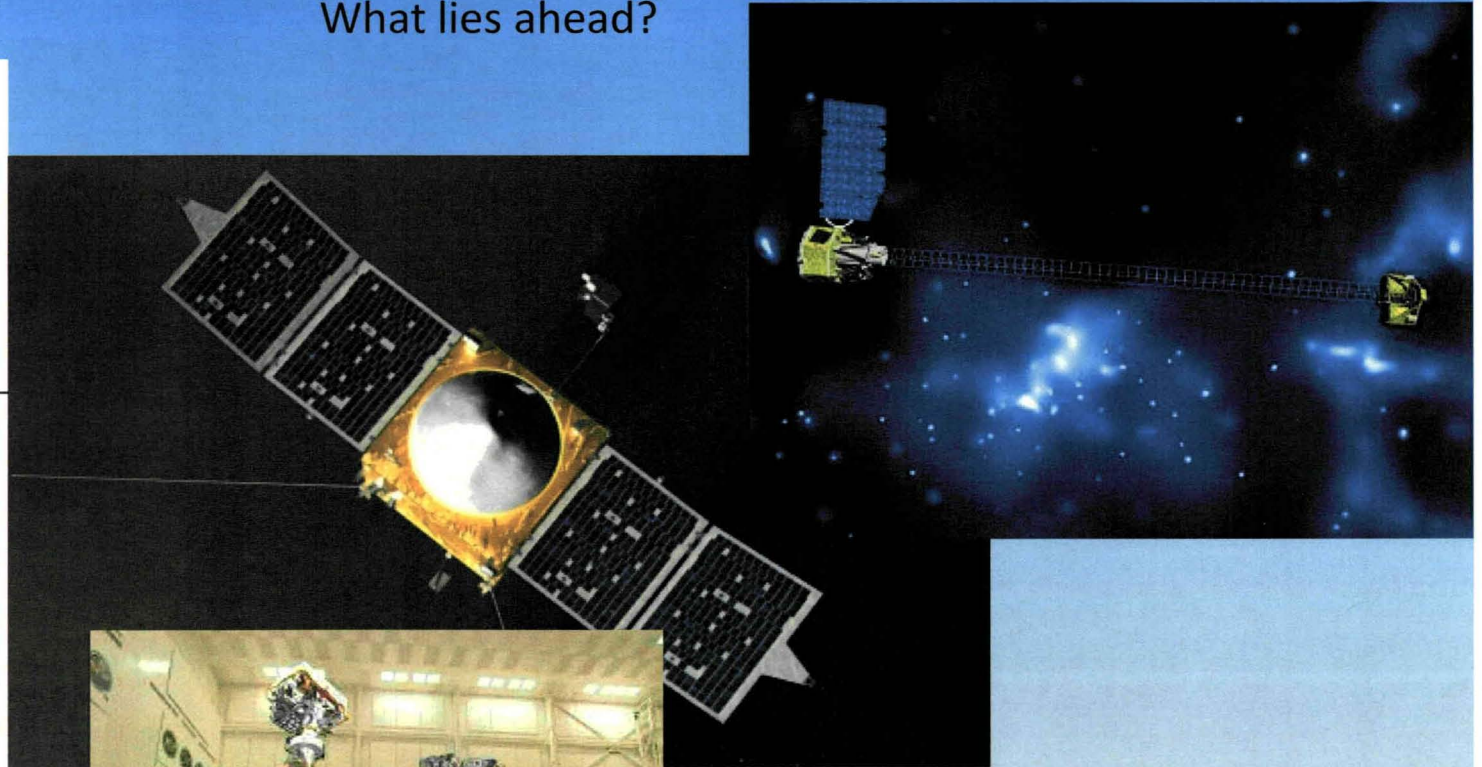
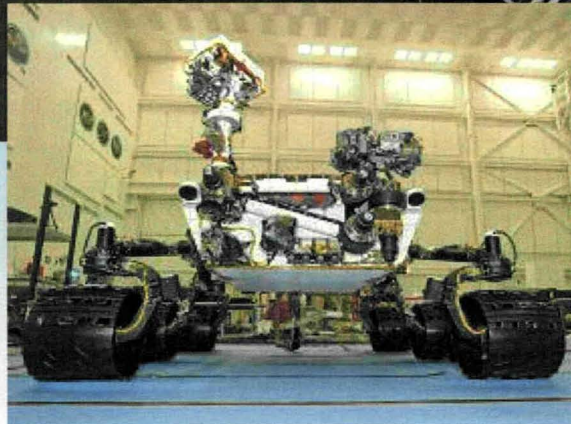
What lies ahead?



Notional



Notional





Q&A

